

Customer No. 026418

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. JG-SU-5249 / 500577.20091

Applicant(s): Satoshi UCHIDA, et al.

Application No.:

Filed: concurrently herewith –September 18, 2006

For: TITANIUM DIOXIDE PARTICLE, PHOTOVOLTAIC DEVICE WITH THE SAME  
AND MANUFACTURING METHOD OF THE SAME

**ENGLISH LANGUAGE  
TRANSLATION OF  
SPECIFICATION,  
CLAIMS  
AND  
ABSTRACT  
AS FILED ON  
September 18, 2006**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re International Application of

Satoshi UCHIDA et al.

International Application Number: PCT/JP2005/003712

International Filing date: March 4, 2005

For: TITANIUM DIOXIDE PARTICLE, PHOTOVOLTAIC DEVICE WITH THE  
SAME AND MANUFACTURING METHOD OF THE SAME

VERIFICATION OF TRANSLATION

Honorable Commissioner of Patents and Trademarks

Washington, D.C. 20231

Sir:

I, Masayoshi Suda residing at Suda Patent Office, OAK Ikebukuro Bldg., 21-11, Higashi-Ikebukuro 1-chome, Toshima-ku, Tokyo Japan, declare:

- (1) that I know well both the Japanese and English languages;
- (2) that I translated the above-identified International Application from Japanese into English;
- (3) that the attached English translation is a true and correct translation of the above-identified International Application to the best of my knowledge and belief; and
- (4) that all statements made of my knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 UC 1001 and that such false statements may jeopardize the validity of the application or any patent issuing thereon.

August 25, 2006  
Date

Masayoshi Suda  
Masayoshi Suda

## PCT REQUEST

Paper Copy (NOT for submission)

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	PCT/JP2005/003712
<b>0-2</b>	International Filing Date	04. 03. 2005
<b>0-3</b>	Name of receiving Office and "PCT International Application"	
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
<b>0-4-1</b>	Prepared Using	JPO-PAS 0322
<b>0-5</b>	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	Japan Patent Office (RO/JP)
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	NA6003
<b>I</b>	<b>Title of Invention</b>	TITANIUM DIOXIDE PARTICLE, PHOTOVOLTAIC DEVICE WITH THE SAME AND MANUFACTURING METHOD OF THE SAME
<b>II</b>	<b>Applicant</b>	
<b>II-1</b>	This person is	applicant only
<b>II-2</b>	Applicant for	all designated States except US
<b>II-4</b>	Name	NIPPON AEROSIL CO., LTD.
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<b>II-6</b>	State of nationality	JP
<b>II-7</b>	State of residence	JP
<b>II-8</b>	Telephone No.	03-3342-1796
<b>II-9</b>	Facsimile No.	03-3342-1761
<b>II-11</b>	Applicant's registration No. with the Office	390018740

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III-1	<b>Applicant and/or inventor</b>	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	UCHIDA, Satoshi
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III-2-7	State of residence	JP
III-3	<b>Applicant and/or inventor</b>	
III-3-1	This person is	applicant and inventor
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III-3-4	Name (LAST, First)	BRANDL, Paul
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III-3-6	State of nationality	JP
III-3-7	State of residence	JP
III-4	<b>Applicant and/or inventor</b>	
III-4-1	This person is	applicant and inventor
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III-4-7	State of residence	JP

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<b>III-5</b>	<b>Applicant and/or inventor</b>	
III-5-1	This person is	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	KONNO, Kazuhisa
III-5-5	Address	c/o NIPPON AEROSIL CO., LTD. Yokkaichi Factory, 3, Mitacho, Yokkaichi-shi, Mie 5100841 Japan
III-5-6	State of nationality	JP
III-5-7	State of residence	JP
<b>III-6</b>	<b>Applicant and/or inventor</b>	
III-6-1	This person is	applicant and inventor
III-6-2	Applicant for	US only
III-6-4	Name (LAST, First)	SUZUKI, Shigeru
III-6-5	Address	c/o NIPPON AEROSIL CO., LTD. Yokkaichi Factory, 3, Mitacho, Yokkaichi-shi, Mie 5100841 Japan
III-6-6	State of nationality	JP
III-6-7	State of residence	JP
<b>IV-1</b>	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	SUDA, Masayoshi
IV-1-2	Address	Nissei Higashi-Ikebukuro Bldg., 11-1, Higashi-Ikebukuro 1-chome, Toshima-ku, Tokyo 1700013 Japan
IV-1-3	Telephone No.	03-3988-4326
IV-1-4	Facsimile No.	03-3986-4443
IV-1-5	e-mail	suda@suda-pat.com
IV-1-6	Agent's registration No.	100085372
<b>V</b>	<b>DESIGNATIONS</b>	
<b>V-1</b>	<b>The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.</b>	

## PCT REQUEST

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VI-1	<b>Priority claim of earlier national application</b>		
VI-1-1	Filing date	17 March 2004 (17.03.2004)	
VI-1-2	Number	2004-075641	
VI-1-3	Country	JP	
VI-2	<b>Priority document request</b> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	<b>International Searching Authority Chosen</b>	Japan Patent Office (ISA/JP)	
IX	<b>Check list</b>	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	
IX-2	Description	12	✓
IX-3	Claims	1	✓
IX-4	Abstract	1	✓
IX-5	Drawings	3	✓
IX-7	TOTAL	22	✓
IX-8	<b>Accompanying Items</b>	paper document(s) attached	electronic file(s) attached
IX-17	Fee calculation sheet	-	✓
IX-17	PCT-SAFE physical media	-	-
IX-19	<b>Figure of the drawings which should accompany the abstract</b>	1	
IX-20	<b>Language of filing of the international application</b>	Japanese	

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X-1	Signature of applicant, agent or common representative	/100085372/
X-1-1	Name (LAST, First)	SUDA, Masayoshi
X-1-2	Name of signatory	
X-1-3	Capacity	

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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